

Computing Systems Services Technical Bulletin

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COM-PLETE Function Calls

Version 4.4.2 of COM-PLETE is scheduled for implementation in January 1989 (see Technical Bulletin #85). The new version requires a return code for many of the COM-PLETE function calls. This change will bring COM-PLETE into conformance with standard calling protocols.

The following table lists the COM-PLETE functions and whether calls to the function must include a return code under the new COM-PLETE. The following types of programs require a return code in the call:

1. NATURAL programs which call the functions marked with "*".
2. COBOL programs which call the functions marked with "*".
3. Assembler programs which call the functions marked with "*", unless the call is made using MCALL.

This bulletin is to notify customers of the change for planning purposes. A technical bulletin with a specific implementation date will be issued prior to the conversion to COM-PLETE 4.4.2.

Terminal I/O Functions

MAPEND	
MAPF	Contains additional color attribute parameters
MAPSTART	Contains additional color attribute parameters
*PLIMIT	
*POPEN	
*PREAD	
*PWRT	
*READ	
*READM	
*WRT	
*WRTM	

ADABAS and External Storage

*ADABAS
*CAPTUR
*SDCLOS
*SDDEL
*SDOPEN
*SDREAD
*SDWRT
*TFDEQ
*TFENQ
*TFGET
*TFGETU
*TFPUT
*TFPUTU

Task Management

*ATTACH
*CODEL
*COLINK
*COLOAD
COXCTL
FETCH
LOAD

Message Switching and Printout Spooling

*MESGSW
*PSCLOS
*PSOPEN
*PSPUT

Miscellaneous Functions

ABEND	
*COMSTOR	New function—uses return code in call
*DATE	
EOJ	
*FREEMAIN	New function—uses return code in call
*GETCHR	
*GETMAIN	New function—uses return code in call
*MODIFY	New function—uses return code in call
*RJE	
*ROLEVT	New function—uses return code in call
ROLOUT	
*SCHED	New function—uses return code in call

*SITEID
*TESTAT
*TIME

Only those programs which call COM-LETE functions marked with an "*" need to be modified. Such programs need to specify return code (a binary full-word field) as the first parameter in the CALL statement. The change can generally be accomplished as follows:

NATURAL Modification

1. Add the following field: RESET #RET-CODE (84)
2. Insert #RET-CODE as the first parameter in the appropriate CALL statements.
3. Check #RET-CODE after the CALL if desired.

COBOL Modification

1. Add the following field: 77 RETCODE PIC S9(8) COMP VALUE +0.
2. Insert RETCODE as the first parameter in the appropriate CALL statements.
3. Change program references of RETURN-CODE to RETCODE.
4. Check RETCODE after the CALL if desired.

Assembler Modification

Applications using MCALL will continue to function normally in this and future releases of COM-LETE; however, no enhancements will be made to MCALL. A new macro called CM\$CALL has been distributed with COM-LETE. Customers may choose to stay with MCALL or use the new CM\$CALL macro. Those choosing to assemble with the CM\$CALL macro should change their programs as follows"

1. Add the following field: RETCODE DC F'0'
2. Insert RETCODE as the first parameter in the appropriate CM\$CALL statements.
3. Check RETCODE after the CM\$CALL if desired.

Full documentation of the functions and return codes is contained in the "Application Programmer's Manual" available in the program library. Please call any member of the Data Base Group for assistance.